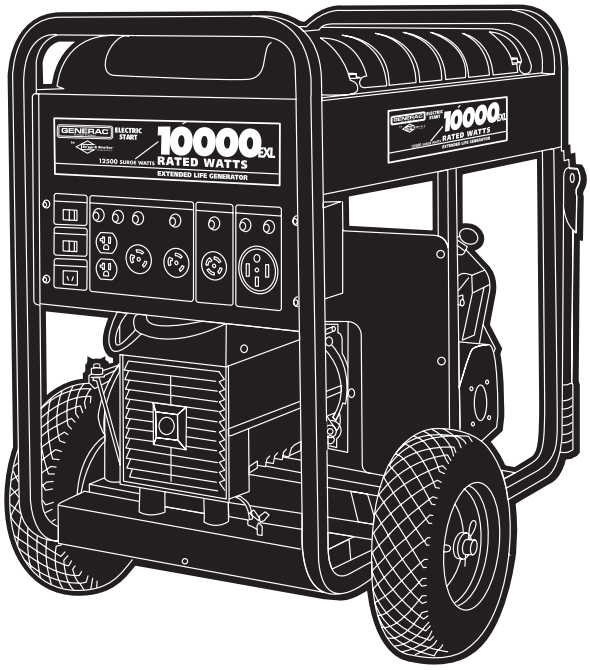
GENERAC® Portable Products by Briggs & Stratton® POWER PRODUCTS

10000 EXL RATED WATT

EXTENDED LIFE GENERATOR

Owner's Manual



Parts Included*

- Generator
- Wheel kit
- Storage Cover
- Battery
- Battery Float Charger
- Battery Charge Cables
- Spare Air Filter and Pre-cleaner
- Spare Oil Filter
- (2) Spare Spark Plugs
- Spark Plug Wrench
- (2) Locking 30 Amp Plugs
- Locking 20 Amp Plug
- (2) Engine Oil
- Owner's Manual
- Engine Manual

*If any parts are missing or damaged, call 1-800-270-1408.

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Questions? Help is just a moment away!

Call: **Generac Generator Helpline - 1-800-270-1408** M-F 8-5 CT

Web: **www.generac-portables.com** or **www.briggsandstratton.com**

Model No. 9801-7 (10,000 Watt AC Generator) Manual No. 189484GS Revision 2 (09/24/2002)

EQUIPMENT DESCRIPTION

Read this manual carefully and become familiar with your generator. Know its applications, its limitations and any hazards involved.

This generator is an engine–driven, revolving field, alternating current (AC) generator. It was designed to supply electrical power for operating compatible electrical lighting, appliances, tools and motor loads. The generator's revolving field is driven at about 3,600 rpm by a twin-cylinder engine.

CAUTION! DO NOT exceed the generator's wattage/amperage capacity. See "Don't Overload the Generator" on page 12.

Every effort has been made to ensure that information in this manual is accurate and current. However, Generac reserves the right to change, alter or otherwise improve the product and this document at any time without prior notice. The Emission Control System for this generator is warranted for standards set by the Environmental Protection Agency. For warranty information refer to the engine owner's manual.

SAFETY RULES

The safety alert symbol (⚠) is used with a signal word (DANGER, CAUTION, WARNING), a pictorial and/or a safety message to alert you to hazards. **DANGER** indicates a hazard which, if not avoided, ***will*** result in death or serious injury. **WARNING** indicates a hazard which, if not avoided, ***could*** result in death or serious injury. **CAUTION** indicates a hazard which, if not avoided, ***might*** result in minor or moderate injury. **CAUTION**, when used **without** the alert symbol, indicates a situation that could result in equipment damage. Follow safety messages to avoid or reduce the risk of injury or death.

⚠ WARNING

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

In the State of California a spark arrester is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. If you equip the muffler with a spark arrester, it must be maintained in effective working order.

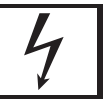
⚠ DANGER

Running generator gives off carbon monoxide, an ordorless, colorless, poison gas.

Breathing carbon monoxide will cause nausea, fainting or death.

- Operate generator ONLY outdoors.
- Keep at least 2 feet of clearance on all sides of generator for adaquate ventilation.
- DO NOT operate generator inside any building or enclosure, including the generator compartment of a recreational vehicle (RV).

⚠ DANGER



Failure to properly ground generator can result in electrocution, especially if the generator is equipped with a wheel kit.

- National Electric Code requires generator to be properly grounded to an approved earth ground. Call an electrician for local grounding requirements.

⚠ DANGER

Generator produces powerful voltage.

Failure to isolate generator from power utility can result in death or injury to electric utility workers due to backfeed of electrical energy.

- When using generator for backup power, notify utility company. Use approved transfer equipment to isolate generator from electric utility.
- Use a ground fault circuit interrupter (GFCI) in any damp or highly conductive area, such as metal decking or steel work.
- DO NOT touch bare wires or receptacles.
- DO NOT use generator with electrical cords which are worn, frayed, bare or otherwise damaged.
- DO NOT operate generator in the rain.
- DO NOT handle generator or electrical cords while standing in water, while barefoot, or while hands or feet are wet.
- DO NOT allow unqualified persons or children to operate or service generator.

⚠ WARNING

Unintentional sparking can result in fire or electric shock.

WHEN ADJUSTING OR MAKING REPAIRS TO YOUR GENERATOR

- Disconnect the spark plug wire from the spark plug and place the wire where it cannot contact spark plug.

⚠ WARNING

Gasoline and its vapors are extremely flammable and explosive.

Fire or explosion can cause severe burns or death.

WHEN ADDING FUEL

- Turn generator OFF and let it cool at least 2 minutes before removing gas cap. Loosen cap slowly to relieve pressure in tank.
- Fill fuel tank outdoors.
- DO NOT overfill tank. Allow space for fuel expansion.
- Keep gasoline away from sparks, open flames, pilot lights, heat, and other ignition sources.
- DO NOT light a cigarette or smoke.

WHEN OPERATING EQUIPMENT

- DO NOT tip engine or equipment at angle which causes gasoline to spill.

WHEN TRANSPORTING OR REPAIRING EQUIPMENT

- Transport/repair with fuel tank EMPTY or with fuel shutoff valve OFF.
- Disconnect spark plug wire.

WHEN STORING GASOLINE OR EQUIPMENT WITH FUEL IN TANK

- Store away from furnaces, stoves, water heaters, clothes dryers or other appliances that have pilot light or other ignition source because they can ignite gasoline vapors.

⚠ DANGER

Storage batteries give off explosive hydrogen gas during recharging.

Hydrogen gas stays near battery for a long time after battery has been charged.

Slightest spark will ignite hydrogen and cause explosion.

You can be blinded or severely injured.

Battery electrolyte fluid contains acid and is extremely caustic.

Contact with battery fluid will cause severe chemical burns.

- DO NOT allow any open flame, spark, heat, or lit cigarette during and for several minutes after charging a battery.
- Wear protective goggles, rubber apron, and rubber gloves.

⚠ WARNING

Running engines produce heat. Temperature of muffler and nearby areas can reach or exceed 150°F (65°C).

Severe burns can occur on contact.

- DO NOT touch hot surfaces.
- Allow equipment to cool before touching.

⚠ CAUTION

Excessively high operating speeds increase risk of injury and damage to generator.

Excessively low speeds impose a heavy load.

- DO NOT tamper with governed speed. Generator supplies correct rated frequency and voltage when running at governed speed.
- DO NOT modify generator in any way.

CAUTION

Exceeding generators wattage/amperage cappacity can damage generator and/or electrical devices connected to it.

- See "Don't Overload Your Generator" on page 12.
- Start generator and let engine stabilize before connecting electrical loads.
- Connect electrical loads in OFF position, then turn ON for operation.
- Turn electrical loads OFF and disconnect from generator before stopping generator.

CAUTION

Improper treatment of generator can damage it and shorten its life.

- Use generator only for intended uses.
- If you have questions about intended use, ask dealer or contact Generac.
- Operate generator only on level surfaces.
- DO NOT expose generator to excessive moisture, dust, dirt, or corrosive vapors.
- DO NOT insert any objects through cooling slots.
- If connected devices overheat, turn them off and disconnect them from generator.
- Shut off generator if:
  - -electrical output is lost;
  - -equipment sparks, smokes, or emits flames;
  - -unit vibrates excessively.

Your generator requires some assembly and is ready for use after it has been properly serviced with the recommended oil and fuel.

If you have any problems with the assembly of your generator, please call the generator helpline at 1-800-270-1408.

IMPORTANT: Any attempt to run the unit before it has been serviced with the recommended oil will result in an engine failure.

REMOVE GENERATOR FROM CARTON

- Set the palleted carton on a rigid flat surface.
- Carefully cut bands around the shipping carton.
- Lift carton off the generator.
- Remove all packing material, carton fillers, etc.
- Remove the generator from the shipping pallet.

INSTALL WHEEL KIT

The wheel kit is designed to greatly improve the portability of your generator.

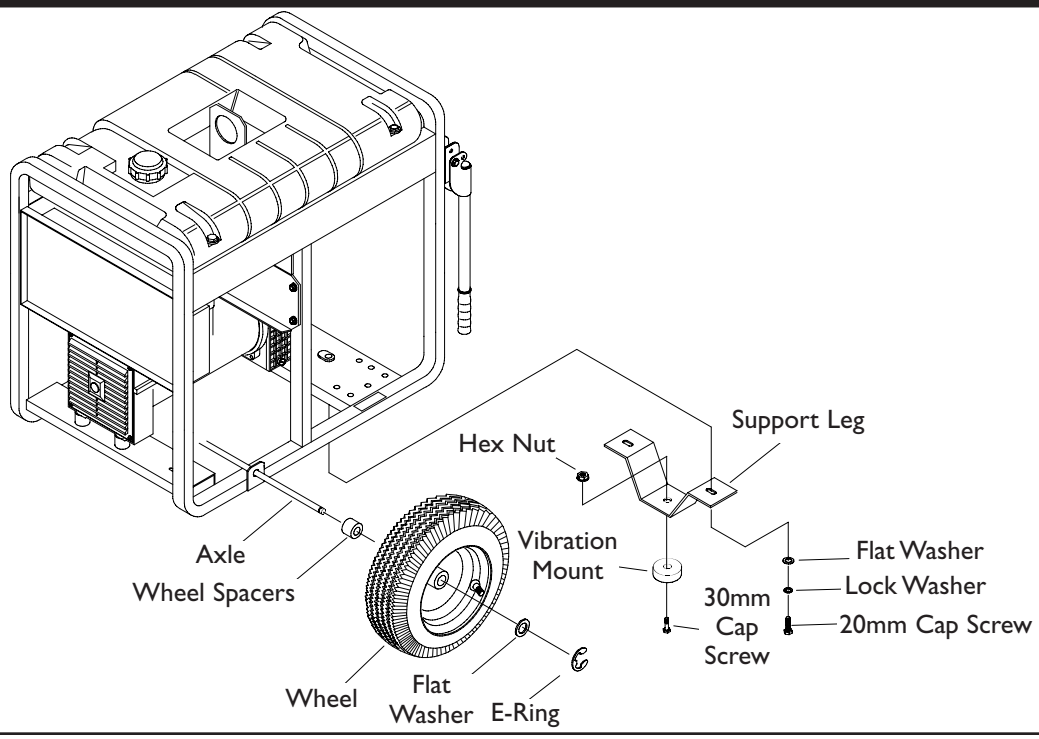
NOTE: Wheel kit is not intended for over-the-road use.

You will need a socket wrench with 1/2" or 13mm sockets and a needle-nose plier to install this kit.

Refer to Figure 1 and install the wheel kit as follows:

1. Place the generator on a hard flat surface.
2. Stand at the control panel end of the generator and gently tilt the generator up, high enough to place wooden blocks beneath the cradle. This will allow you to add the wheels.
3. Slide the axle through the holes in the brackets provided on the generator cradle.
4. Slide a wheel spacer, wheel and flat washer on one end of the axle. Make sure the air inflation valve is outward. Place the e-ring onto the groove in the axle.
5. Place one end of the needle nose pliers on the bottom of the axle and the other end of the pliers on top of the e-ring. Seat the e-ring by pressing the pliers closed.
6. Slide the axle through until wheel is tight against bracket.
7. Install the e-ring on the other side in the same manner as steps 4 & 5. Remove the wooden blocks.

Figure 1 — Install Wheel Kit



8. Attach the vibration mounts to the support leg with a 30mm capscrew and lock nut.
9. With the wheels on, secure the support leg assembly to the cradle with 20 mm long capscrews, flat washers, and lock washers.
10. Check each fastener to ensure it is secure and the tires are inflated between 15-40 PSI.

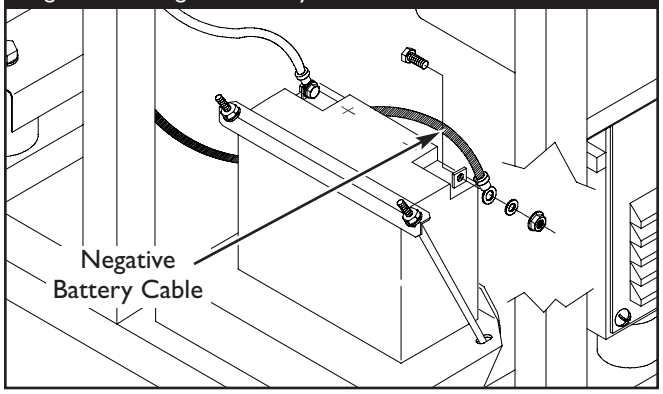
CHECK BATTERY / ATTACH NEGATIVE BATTERY WIRE

The sealed battery on the generator is fully charged and pre–installed except for the negative (black) battery cable.

To install:

- Cut off tie wrap securing loose end of negative (black) cable.
- Remove nut and washer on the negative battery terminal.
- Slide the negative battery cable over the screw on the negative terminal (Figure 2).

Figure 2 — Negative Battery Connection



- Reattach washer and nut and tighten.
- Verify that the connections to the battery and generator are tight and secure.

BEFORE STARTING THE ENGINE

Add Oil

CAUTION! Any attempt to crank or start the engine before it has been properly filled with the recommended oil may result in an engine failure.

To fill your engine with oil:

- Place generator on a level surface.
- Follow the oil grade recommendations and oil fill instructions given in the engine owner's manual.

NOTE: The generator assembly rotates on a prelubricated and sealed ball bearing that requires no additional lubrication for the life of the bearing.

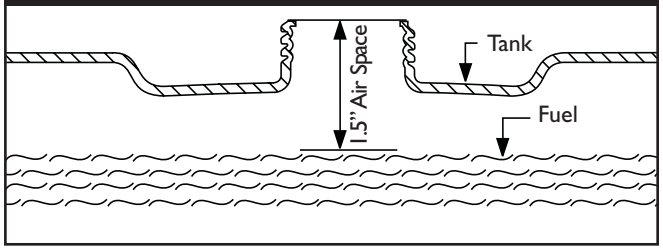
Add Gasoline

WARNING! NEVER fill fuel tank indoors. NEVER fill fuel tank when engine is running or hot. Allow unit to cool for two minutes before refueling. DO NOT light a cigarette or smoke when filling the fuel tank.

WARNING! DO NOT overfill the fuel tank. Always allow room for fuel expansion.

- Use regular **UNLEADED** gasoline with the generator engine. DO NOT use premium gasoline. DO NOT mix oil with gasoline.
- Clean area around fuel fill cap, remove cap.
- Slowly add unleaded regular gasoline to fuel tank. Be careful not to overfill. Allow about 1.5" of tank space for fuel expansion (Figure 3).

Figure 3 — Typical Fuel Expansion Space



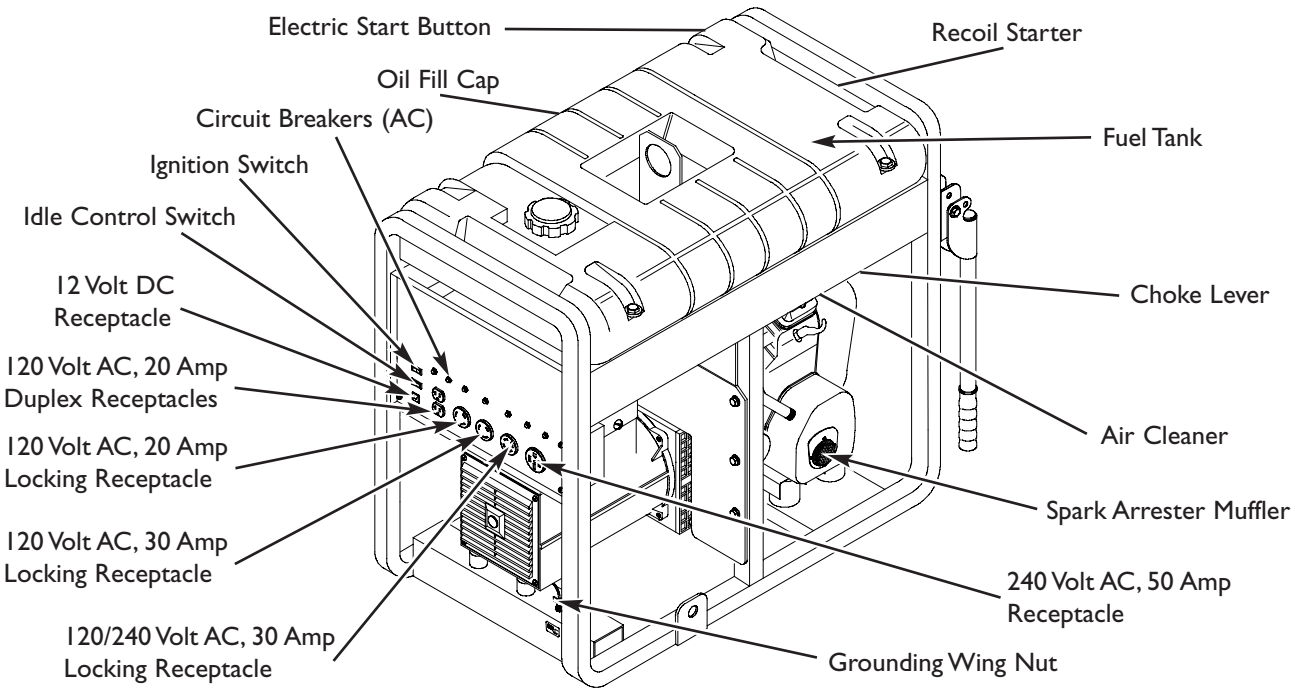
- Install fuel cap and permit any spilled gasoline to evaporate.

IMPORTANT: It is important to prevent gum deposits from forming in essential fuel system parts, such as the carburetor, fuel filter, fuel hose or tank during storage. Also, experience indicates that alcohol–blended fuels (called gasohol, ethanol or methanol) can attract moisture, which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage.

To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. See "Storage" on page 14. NEVER use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.

KNOW YOUR GENERATOR

Read this owner's manual and safety rules before operating your generator.
Compare the illustrations with your generator, to familiarize yourself with the locations of various controls and adjustments. Save this manual for future reference.



12 Volt DC Receptacle — Use this receptacle with battery charge cables to charge a 12 Volt battery.

120 Volt AC, 20 Amp Duplex Receptacles — May be used to supply electrical power for the operation of 120 Volt AC, 20 Amp, single phase, 60 Hz electrical lighting, appliance, tool and motor loads.

120 Volt AC, 20 Amp Locking Receptacle — May be used to supply electrical power for the operation of 120 Volt AC, 20 Amp, single phase, 60 Hz electrical lighting, appliance, tool and motor loads.

120 Volt AC, 30 Amp Locking Receptacle — May be used to supply electrical power for the operation of 120 Volt AC, 30 Amp, single phase, 60 Hz electrical lighting, appliance, tool and motor loads.

120/240 Volt AC, 30 Amp Locking Receptacle — May be used to supply electrical power for the operation of 120 and/or 240 Volt AC, 30 Amp, single phase, 60 Hz electrical lighting, appliance, tool and motor loads.

240 Volt AC, 50 Amp Receptacle — May be used to supply electrical power for the operation of 240 Volt AC, 50 Amp, single phase, 60 Hz electrical loads.

Air Cleaner — Uses a dry type filter element and foam pre–cleaner to limit the amount of dirt and dust sucked into the engine.

Choke Lever — Used when starting a cold engine.

Circuit Breakers (AC) — Each receptacle is provided with a "push to reset" circuit breaker to protect the generator against electrical overload.

Fuel Tank — Capacity of eight (8) U.S. gallons.

Electric Start Switch — Press to start the engine.

Grounding Wing Nut — Use this connection to properly ground the generator.

Idle Control Switch — The idle control runs the engine at normal (high) speeds when there is a load present and runs the engine at idle (low) speeds when a load is not present.

Oil Fill Cap — Add oil to engine here.

Recoil Starter — Used to start the engine manually.

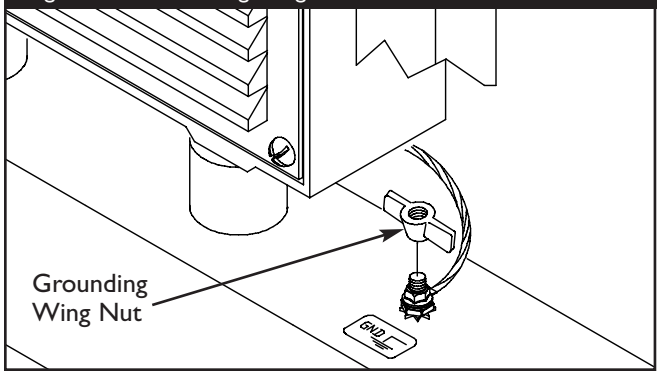
Ignition Switch — Must be in "**On**" (–) position to start engine. Set to "**Off**" (o) to stop a running engine.

Spark Arrester Muffler — Exhaust muffler lowers engine noise and is equipped with a spark arrester screen.

GROUNDING THE GENERATOR

The National Electrical Code requires that the frame and external electrically conductive parts of this generator be properly connected to an approved earth ground. Local electrical codes may also require additional grounding of the unit. For that purpose, a GROUNDING WING NUT is provided on the generator end (Figure 4).

Figure 4 — Grounding Wing Nut



Generally, connecting a No. 12 AWG (American Wire Gauge) stranded copper wire to the grounding wing nut and to an earth–driven copper or brass grounding rod (electrode) provides adequate protection against electrical shock. Be careful to keep the grounding wire attached after connecting the stranded copper wire. However, local codes may vary widely. Consult with a local electrician for grounding requirements in your area.

Properly grounding the generator helps prevent electrical shock if a ground fault condition exists in the generator or in connected electrical devices, especially when the unit is equipped with a wheel kit. Proper grounding also helps dissipate static electricity, which often builds up in ungrounded devices.

OPERATING THE GENERATOR

CAUTION! NEVER start or stop unit with electrical loads connected AND with the connected devices turned ON.

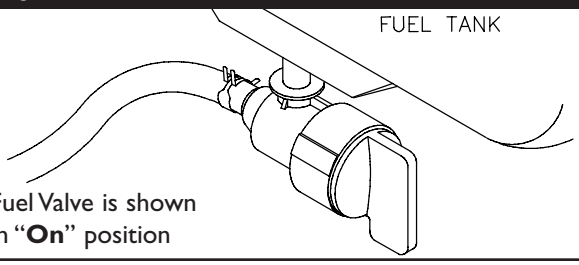
IMPORTANT: Always unplug the battery float charger before starting the generator.

Starting the Engine

Disconnect all electrical loads from the generator. Follow start instruction steps in numerical order:

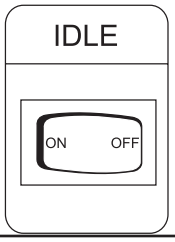
1. Turn the fuel valve to the "**On**" position (Figure 5).

Figure 5 — Fuel Shut-off Valve



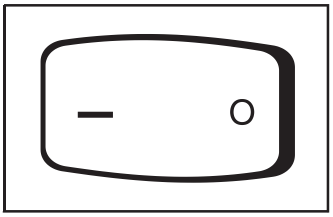
2. Make sure the Idle Control switch is in "**Off**" position (Figure 6).

Figure 6 — Idle Control Switch



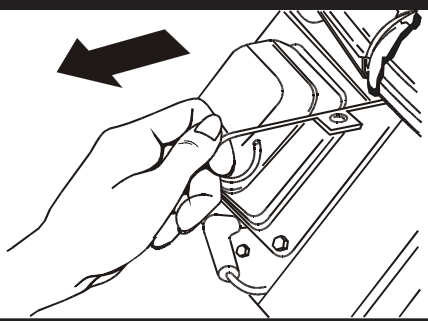
3. Set the Ignition switch to "**On**" (–) position (Figure 7).

Figure 7 — Ignition Switch



4. Pull choke control out to close choke (Figure 8).

Figure 8 — Choke Lever



5A. For electric starting, press start switch on generator cradle. To prolong the life of the starter components, press the starter button for no more than 15 seconds, and pause for 30 seconds.

5B. For manual starting, grasp the recoil handle and pull slowly until slight resistance is felt. Then pull rapidly one time only to start engine.

6. When engine starts, open the choke gradually as the engine warms up by pushing in on the choke handle.

NOTE: If engine still fails to start after 3 pulls, check for proper oil level in crankcase. This unit is equipped with an Oil Pressure Switch. See engine manual.

Refer to the engine owner's manual for complete starting instructions.

Connecting Electrical Loads

- Let engine stabilize and warm up for a few minutes after starting.
- Plug in and turn on the desired 120 and/or 240 Volt AC, single phase, 60 Hz electrical loads.
- DO NOT connect 240 Volt loads to the 120 Volt receptacles.
- DO NOT connect 3–phase loads to the generator.
- DO NOT connect 50 Hz loads to the generator.
- **DO NOT OVERLOAD THE GENERATOR.** See "Don't Overload the Generator" on page 12.

Stopping the Engine

- Unplug **all** electrical loads from generator panel receptacles. NEVER start or stop engine with electrical devices plugged in and turned on.
- Put the idle control switch in the "**Off**" position.
- Let engine run at no–load for 30 seconds to stabilize the internal temperatures of engine and generator.
- Move Ignition switch to "**Off**" (o) position.
- Close the fuel shut–off valve.

Operating Automatic Idle Control

This feature is designed to greatly improve fuel economy. **When this switch is turned ON**, the engine will only run at its normal high governed engine speed when an electrical load is connected. When electrical loads are removed, the engine will run at a reduced speed. **With the switch off**, the engine will run at the normal high engine speed. **Always have the switch off when starting and stopping the engine.**

Charging a Battery

WARNING! Storage batteries give off explosive hydrogen gas while recharging. An explosive mixture will remain around the battery for a long time after it has been charged. The slightest spark can ignite the hydrogen and cause an explosion, resulting in blindness or other serious injury.

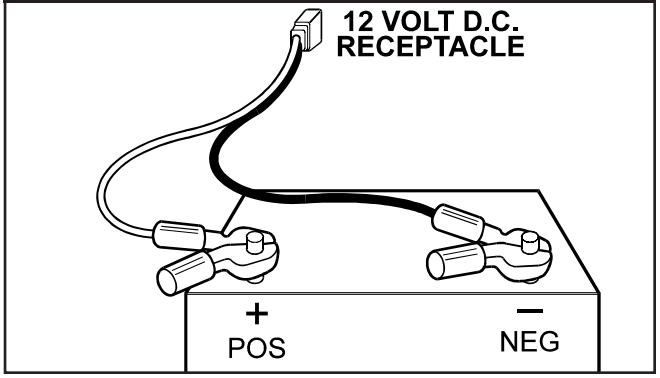
WARNING! DO NOT permit smoking, open flame, sparks or any other source of heat around a battery. Wear protective goggles, rubber apron and rubber gloves when working around a battery. Battery electrolyte fluid is an extremely dangerous sulfuric acid solution that can cause severe burns. If spill occurs flush area with clear water immediately.

Your generator has the capability of recharging a discharged 12 Volt automotive or utility style storage battery. DO NOT use the unit to charge any 6 Volt batteries. DO NOT use the unit to crank an engine having a discharged battery.

To recharge 12 Volt batteries, proceed as follows:

- Check fluid level in all battery cells. If necessary, add ONLY distilled water to cover separators in battery cells. **Do Not use tap water.**
- If the battery is equipped with vent caps, make sure they are installed and are tight.
- If necessary, clean battery terminals.
- Connect battery charge cable connector plug to panel receptacle identified by the words "12-VOLTS D.C."
- Connect battery charge cable clamp with **red** handle to the **positive (+)** battery terminal (Figure 9).

Figure 9 — Battery Connections



- Connect battery charge cable clamp with **black** handle to the **negative (–)** battery terminal (Figure 9).

- Start engine. Let the engine run while battery recharges.
- When battery has charged, shut down engine

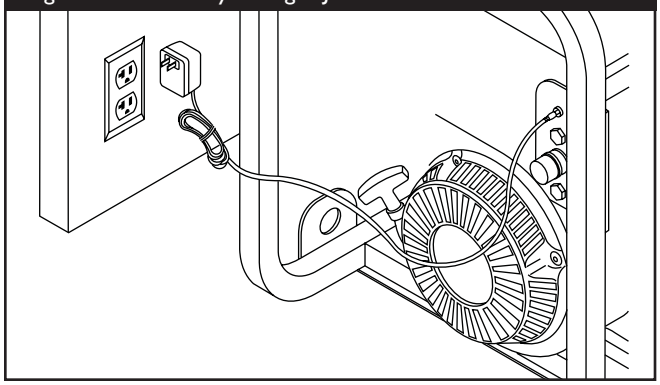
NOTE: Use an automotive hydrometer to test battery state of charge and condition. Follow the hydrometer manufacturer's instructions carefully. Generally, a battery is considered to be at 100% state of charge when specific gravity of its fluid (as measured by hydrometer) is 1.260 or higher.

How to Use the Battery Charger

Use battery float charger jack to keep the starting battery charged and ready for use. Battery charging should be done in a dry location, such as inside a garage.

- Plug the charger into the unit's "Battery Float Charger" jack, which is located on the starter switch (Figure 10). Plug battery charger into a 120 Volt AC wall receptacle.

Figure 10 — Battery Charger Jack



- Unplug the charger from the unit and the wall outlet when generator is being started and while it is in operation.
- Keep this charger plugged in when generator is not in use to prolong battery life. The charger has a built in float equalizer and will not overcharge the battery, even when plugged in for an extended period of time.

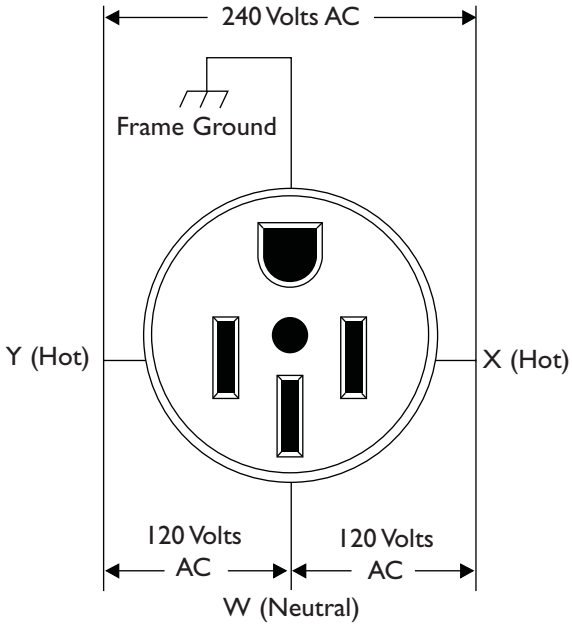
IMPORTANT: See "Battery Maintenance" on page 13 for additional information.

RECEPTACLES

240 Volt AC, 50 Amp Receptacle

Use a NEMA 14–50 plug with this receptacle (Figure 11). Connect a 4-wire cord set rated for 250 Volt AC loads at 50 Amps to the plug.

Figure 11 — 240 Volt AC, 50 Amp Receptacle



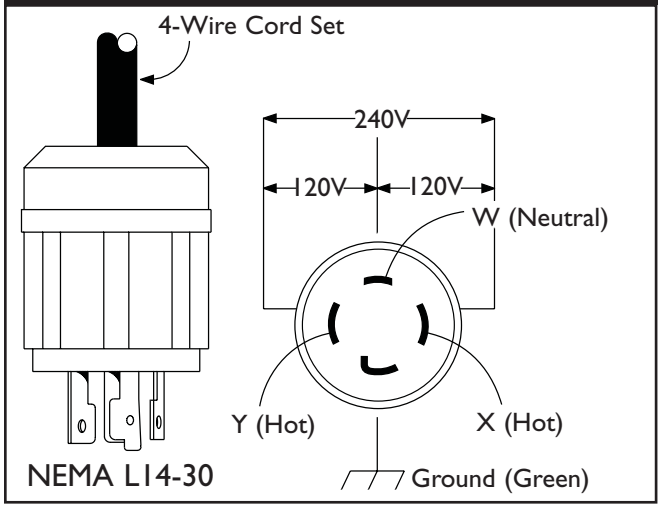
Use this receptacle to operate 240 Volt AC, 50 Amp, 60 Hz, single phase loads requiring up to 10,000 watts (10.0 kW) of power. The outlet is protected by a 45 Amp push–to–reset circuit breaker.

CAUTION! Although this outlet states it has a 240 Volt 50 Amp rating (up to 12,500 watts), the generator is only rated for 10,000 watts. Powering loads that exceed the wattage/amperage capacity of the generator can damage it or cause serious injuries. 240 Volt loads powered through this outlet should not exceed 41.7 Amps of current draw.

120/240 Volt AC, 30 Amp, Locking Receptacle

Use a NEMA L14–30 plug with this receptacle. Connect a 4–wire cord set rated for 250 Volt AC loads at 30 Amps (or greater) (Figure 12). You can use the same 4–wire cord if you plan to run a 120 Volt load.

Figure 12 — 120/240 Volt AC, 30 Amp Receptacle

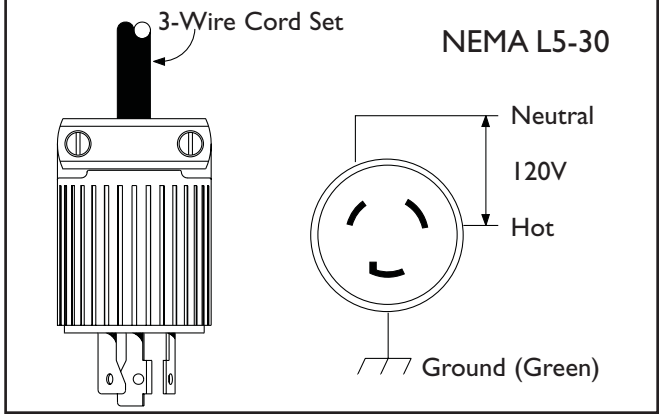


This receptacle powers 120/240 Volt AC, 60 Hz, single phase loads requiring up to 3,600 watts of power at 30 Amps for 120 Volts; 7,200 watts of power (7.2 kW) at 30 Amps for 240 Volts. The outlet is protected by a 30 Amp push–to–reset circuit breaker.

120 Volt AC, 30 Amp Locking Receptacle

Use a NEMA L5–30 plug with this receptacle. Connect a 3–wire cord set rated for 125 Volt AC loads at 30 Amps to the plug (Figure 13).

Figure 13 — 120 Volt AC, 30 Amp, Locking Receptacle

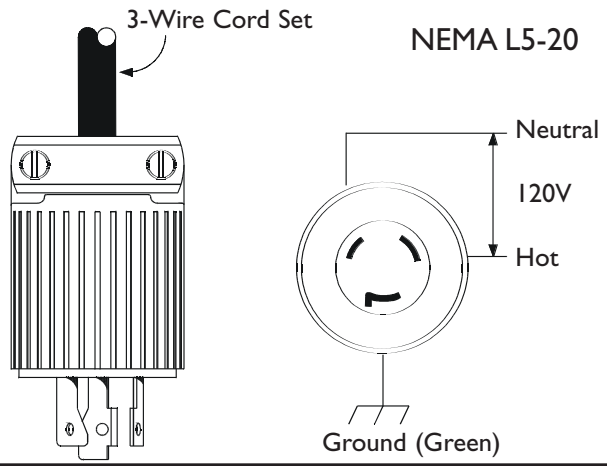


Use this receptacle to operate 120 Volt AC, 60 Hz, single phase loads requiring up to 3,600 watts (3.6 kW) of power at 30 Amps. The outlet is protected by a 30 Amp push–to–reset circuit breaker.

120 Volt, 20 Amp Locking Type Receptacle

Use a NEMA L5–20 plug with this receptacle. Connect a 3–wire cord set rated for 125 Volt AC loads at 20 Amps to the plug (Figure 14).

Figure 14 — 120 Volt AC, 20 Amp, Locking Receptacle

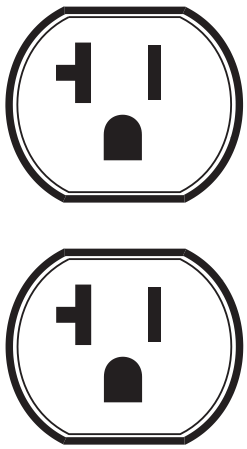


Use this receptacle to operate 120 Volt AC, 60 Hz, single phase loads requiring up to 2,400 watts (2.4 kW) of power at 20 Amps. The outlet is protected by a 20 Amp push–to–reset circuit breaker.

120 Volt AC, 20 Amp, Duplex Receptacle

Each receptacle (Figure 15) is protected against overload by a 20 Amp push–to–reset circuit breaker.

Figure 15 — 120 Volt AC, 20 Amp, Duplex Receptacle

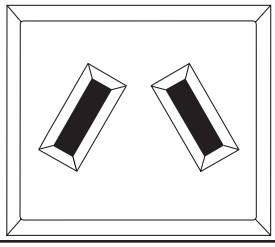


Use each receptacle to operate 120 Volt AC, single–phase, 60 Hz electrical loads requiring up to 2,400 watts (2.4 kW) at 20 Amps of current. Use cord sets that are rated for 125 Volt AC loads at 20 Amps (or greater).

12 Volt DC, 10 Amp Receptacle

This receptacle allows you to recharge a 12 Volt automotive or utility style storage battery with the battery charge cables provided (Figure 16).

Figure 16 — 12 Volt DC, 10 Amp Receptacle



This receptacle can not recharge 6 Volt batteries and can not be used to crank an engine having a discharged battery. See the section "Charging a Battery" (page 8) before attempting to recharge a battery.

DON'T OVERLOAD YOUR GENERATOR

Capacity

You must make sure your generator can supply enough rated (running) and surge (starting) watts for the items you will power at the same time. Follow these simple steps:

1. Select the items you will power at the same time.
2. Total the rated (running) watts of these items. This is the amount of power your generator must produce to keep your items running. See Figure 17.
3. Estimate how many surge (starting) watts you will need. Surge wattage is the short burst of power needed to start electric motor-driven tools or appliances such as a circular saw or refrigerator. Because not all motors start at the same time, total surge watts can be estimated by adding only the item(s) with the highest additional surge watts to the total rated watts from step 2.

Example:

Tool or Appliance	Rated (Running) Watts	Additional Surge (Starting) Watts
Window Air Conditioner	1200	1800
Refrigerator	800	1600
Deep Freezer	500	500
Television	500	-
Light (75 Watts)	75	-
	3075 Total Running Watts	1800 Highest Surge Watts

Total Rated (Running) Watts = 3075
Highest Additional Surge Watts = 1800
Total Generator Output Required = 4875

Power Management

To prolong the life of your generator and attached devices, it is important to take care when adding electrical loads to your generator. There should be nothing connected to the generator outlets before starting its engine. The correct and safe way to manage generator power is to sequentially add loads as follows:

1. With nothing connected to the generator, start the engine as described in this manual.
2. Plug in and turn on the first load, preferably the largest load you have.
3. Permit the generator output to stabilize (engine runs smoothly and attached device operates properly.
4. Plug in and turn on the next load.
5. Again, permit the generator to stabilize.
6. Repeat steps 4 and 5 for each additional load.

NEVER add more loads than the generator capacity. Take special care to consider surge loads in generator capacity, as described above.

Figure 17 - Wattage Reference Chart

Tool or Appliance	Rated* (Running) Watts	Additional Surge (Starting) Watts
Essentials		
Light Bulb - 75 watt	75	-
Deep Freezer	500	500
Sump Pump	800	1200
Refrigerator/Freezer - 18 Cu. Ft.	800	1600
Water Well Pump - 1/3 HP	1000	2000
Heating/Cooling		
Window AC - 10,000 BTU	1200	1800
Window Fan	300	600
Furnace Fan Blower - 1/2 HP	800	1300
Kitchen		
Microwave Oven - 1000 Watt	1000	-
Coffee Maker	1500	-
Electric Stove - Single Element	1500	-
Hot Plate	2500	-
Family Room		
DVD/CD Player	100	-
VCR	100	-
Stereo Receiver	450	-
Color Television - 27"	500	-
Personal Computer w/17" monitor	800	-
Other		
Security System	180	-
AM/FM Clock Radio	300	-
Garage Door Opener - 1/2 HP	480	520
Electric Water Heater - 40 Gallon	4000	-
DIY/Job Site		
Quartz Halogen Work Light	1000	-
Airless Sprayer - 1/3 HP	600	1200
Reciprocating Saw	960	960
Electric Drill - 1/2 HP	1000	1000
Circular Saw - 7 1/4"	1500	1500
Miter Saw - 10"	1800	1800
Table Planer - 6"	1800	1800
Table Saw/Radial Arm Saw - 10"	2000	2000
Air Compressor - 1-1/2 HP	2500	2500

*Wattages listed are approximate only. Check tool or appliance for actual wattage.

SPECIFICATIONS

Maximum Surge Watts . . . . . .12,500 watts
Continuous Wattage Capacity . . . . . .10,000 watts
Power Factor 1.0
Rated Maximum Continuous AC Load Current:
At 120 Volts . . . . . .83.3 Amps
At 240 Volts . . . . . .41.7 Amps
Phase 1–phase
Rated Frequency . . . . . .60 Hertz
Fuel Tank Capacity . . . . . 8 U.S. gallons
Shipping Weight . . . . . .300 lbs.

GENERAL MAINTENANCE RECOMMENDATIONS

The Owner/Operator is responsible for making sure that all periodic maintenance tasks are completed on a timely basis; that all discrepancies are corrected; and that the unit is kept clean and properly stored. **Never operate a damaged or defective generator.**

Engine Maintenance

See engine owner's manual for instructions.

CAUTION! Avoid prolonged or repeated skin contact with used motor oil. Used motor oil has been shown to cause skin cancer in certain laboratory animals. Thoroughly wash exposed areas with soap and water.
KEEP OUT OF REACH OF CHILDREN. DON'T POLLUTE. CONSERVE RESOURCES. RETURN USED OIL TO COLLECTION CENTERS.

Generator Maintenance

Generator maintenance consists of keeping the unit clean and dry. Operate and store the unit in a clean dry environment where it will not be exposed to excessive dust, dirt, moisture or any corrosive vapors. Cooling air slots in the generator must not become clogged with snow, leaves or any other foreign material.

NOTE: DO NOT use a garden hose to clean generator. Water can enter engine fuel system and cause problems. In addition, if water enters generator through cooling air slots, some of the water will be retained in voids and cracks of the rotor and stator winding insulation. Water and dirt buildup on the generator internal windings will eventually decrease the insulation resistance of these windings.

Battery Maintenance

Other than float charging, described elsewhere, no maintenance is required for the battery. Keep the battery and terminals clean and dry.

IMPORTANT: Battery charging should be performed in a dry location, such as inside a garage.

To Clean the Generator

- Use a damp cloth to wipe exterior surfaces clean.
- A soft bristle brush may be used to loosen caked on dirt or oil.
- A vacuum cleaner may be used to pick up loose dirt.
- Low pressure air (not to exceed 25 psi) may be used to blow away dirt. Inspect cooling air slots and opening on generator. These openings must be kept clean and unobstructed.

STORAGE

The generator should be started at least once every seven days and allowed to run at least 30 minutes. If this cannot be done and you must store the unit for more than 30 days, use the following guidelines to prepare it for storage.

Generator Storage

- Clean the generator as outlined in "To Clean the Generator."
- Check that cooling air slots and openings on generator are open and unobstructed.

CAUTION! Storage covers can be flammable. DO NOT place a storage cover over a hot generator. Let the unit cool for a sufficient time before placing the cover on the unit.

Engine Storage

See engine owner's manual for instructions.

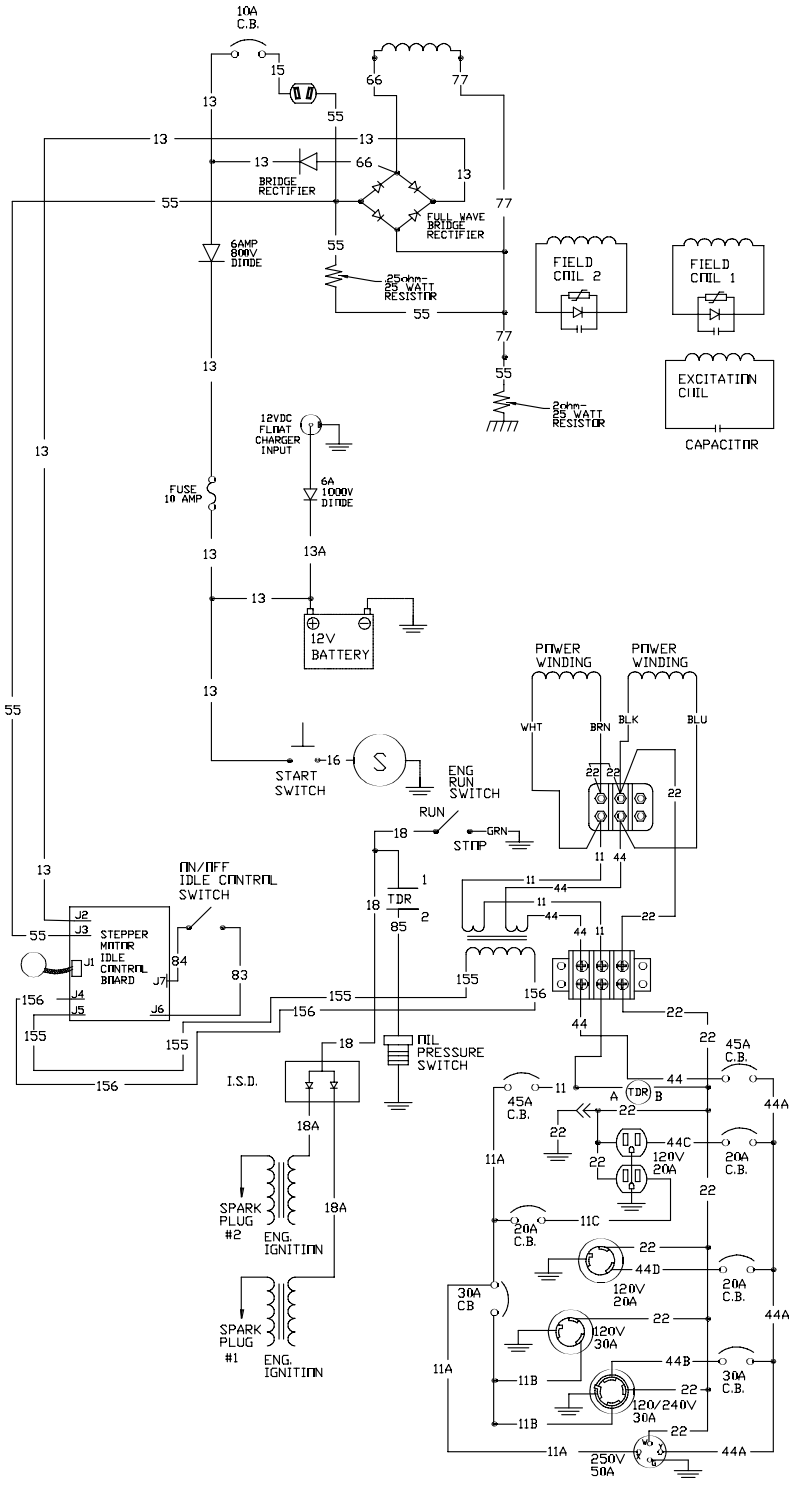
Other Storage Tips

- To prevent gum from forming in fuel system or on essential carburetor parts, add fuel stabilizer into fuel tank and fill with fresh gasoline. Run the unit for several minutes to circulate the additive through the carburetor. The unit and fuel can then be stored for up to 24 months. Fuel stabilizer can be purchased locally.
- DO NOT store gasoline from one season to another unless it has been treated as described above.
- Replace fuel container if it starts to rust. Rust and/or dirt in fuel can cause problems if it's used with this unit.
- Store unit in a clean and dry area.

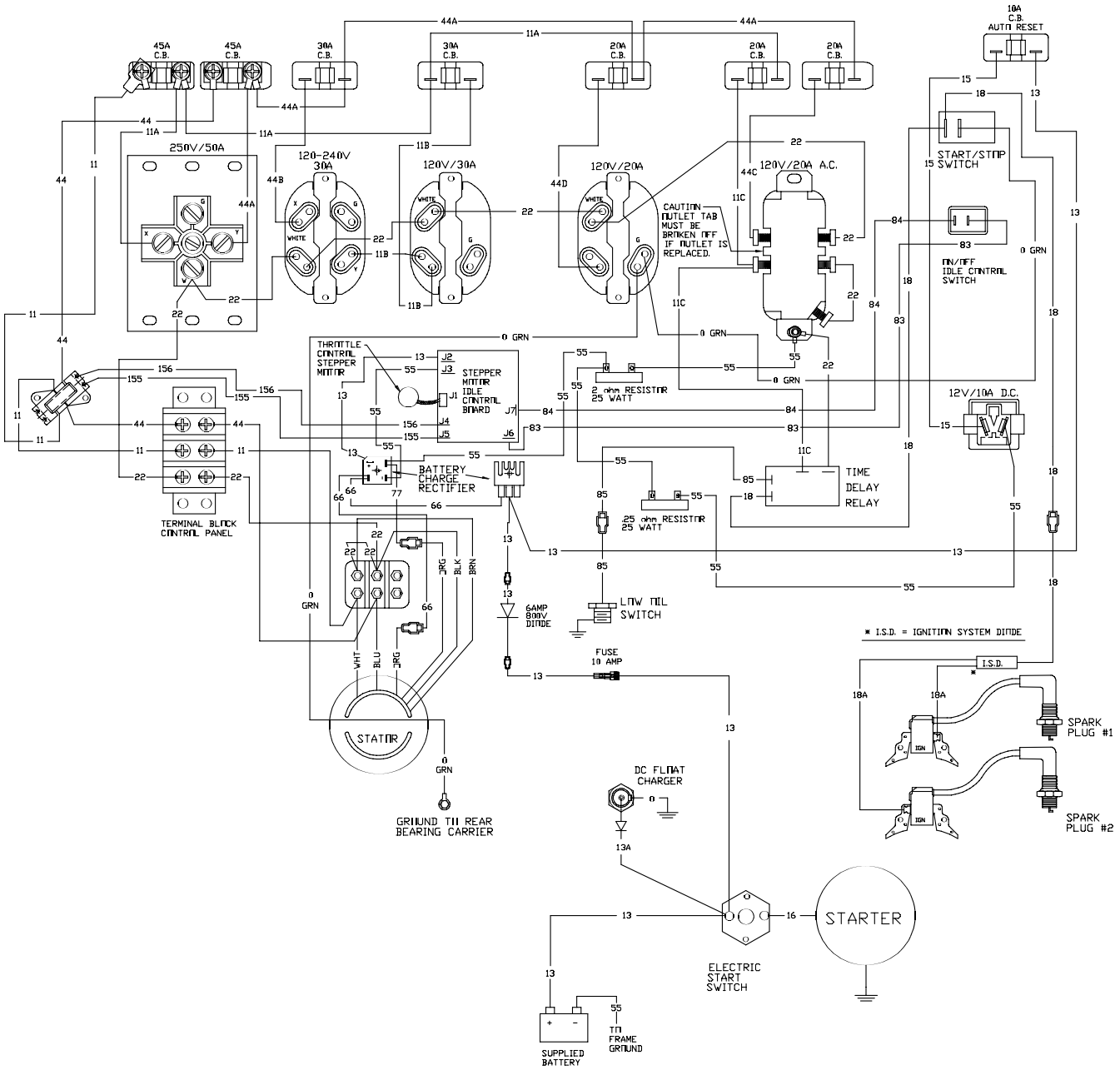
TROUBLESHOOTING

Problem	Cause	Correction
Engine is running, but no AC output is available.	1. One of the circuit breakers is open. 2. Fault in generator. 3. Poor connection or defective cord set. 4. Connected device is bad.	1. Reset circuit breaker. 2. Contact Generac service facility. 3. Check and repair. 4. Connect another device that is in good condition.
Engine runs good at no-load but "bogs" down" when loads are connected.	1. Short circuit in a connected load. 2. Engine speed is too slow. 3. Generator is overloaded. 4. Shorted generator circuit.	1. Disconnect shorted electrical load. 2. Contact Generac service facility. 3. See "Don't Overload the Generator" on page 12. 4. Contact Generac service facility.
Engine will not start; or starts and runs rough.	1. Ignition Switch set to "**Stop**". 2. Fuel Valve is in the "**Off**" position. 3. Dirty air cleaner. 4. Out of gasoline. 5. Stale gasoline. 6. Spark plug wire not connected to spark plug. 7. Bad spark plug. 8. Water in gasoline. 9. Overchoking. 10. Excessively rich fuel mixture. 11. Intake valve stuck open or closed. 12. Engine has lost compression. 13. Failed battery.	1. Set switch to "**On**". 2. Turn fuel valve to the "**On**" position. 3. Clean or replace air cleaner. 4. Fill fuel tank. 5. Drain gas tank; fill with fresh fuel. 6. Connect wire to spark plug. 7. Replace spark plug. 8. Drain gas tank; fill with fresh fuel. 9. Open choke fully and crank engine. 10. Contact Briggs and Stratton service facility. 11. Contact Briggs and Stratton service facility. 12. Contact Briggs and Stratton service facility. 13. Replace battery.
Engine shuts down during operation.	1. Out of gasoline. 2. Low oil level.	1. Fill fuel tank. 2. Fill crankcase to proper level.
Engine lacks power.	1. Load is too high. 2. Dirty air filter.	1. See "Don't Overload the Generator" on page 12. 2. Replace air filter.
Engine "hunts" or falters.	1. Choke is opened too soon. 2. Carburetor is running too rich or too lean.	1. Move choke to halfway position until engine runs smoothly. 2. Contact Briggs and Stratton service facility.

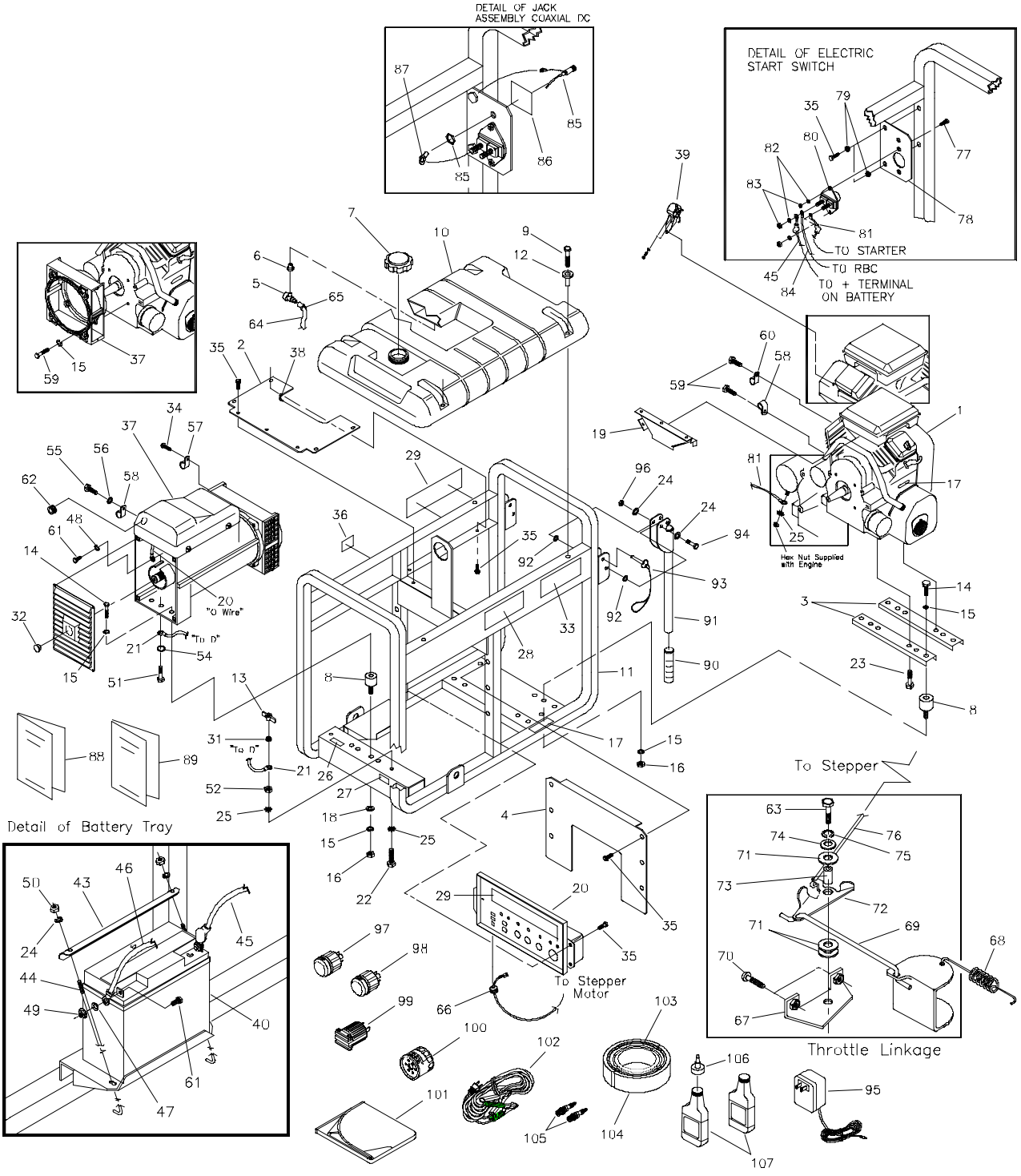
SCHEMATIC


10A C.B.
BRIDGE RECTIFIER
FULL WAVE BRIDGE RECTIFIER
6AMP 800V DIODE
25ohm- 25 WATT RESISTOR
FIELD COIL 2
FIELD COIL 1
EXCITATION COIL
2ohm- 25 WATT RESISTOR
CAPACITOR
12VDC FLOAT CHARGER INPUT
FUSE 10 AMP
6A 1000V DIODE
12V BATTERY
START SWITCH
ENG RUN SWITCH
POWER WINDING
POWER WINDING
WHT
BRN
BLK
BLU
RUN
STOP
GRN
ON/OFF IDLE CONTROL SWITCH
STEPPER MOTOR IDLE CONTROL BOARD
TDR
OIL PRESSURE SWITCH
I.S.D.
SPARK PLUG #2
ENG. IGNITION
SPARK PLUG #1
ENG. IGNITION
45A C.B.
120V 20A
20A C.B.
30A CB
120V 30A
30A C.B.
120/240V 30A
250V 50A

WIRING DIAGRAM



EXPLODED VIEW – MAIN UNIT



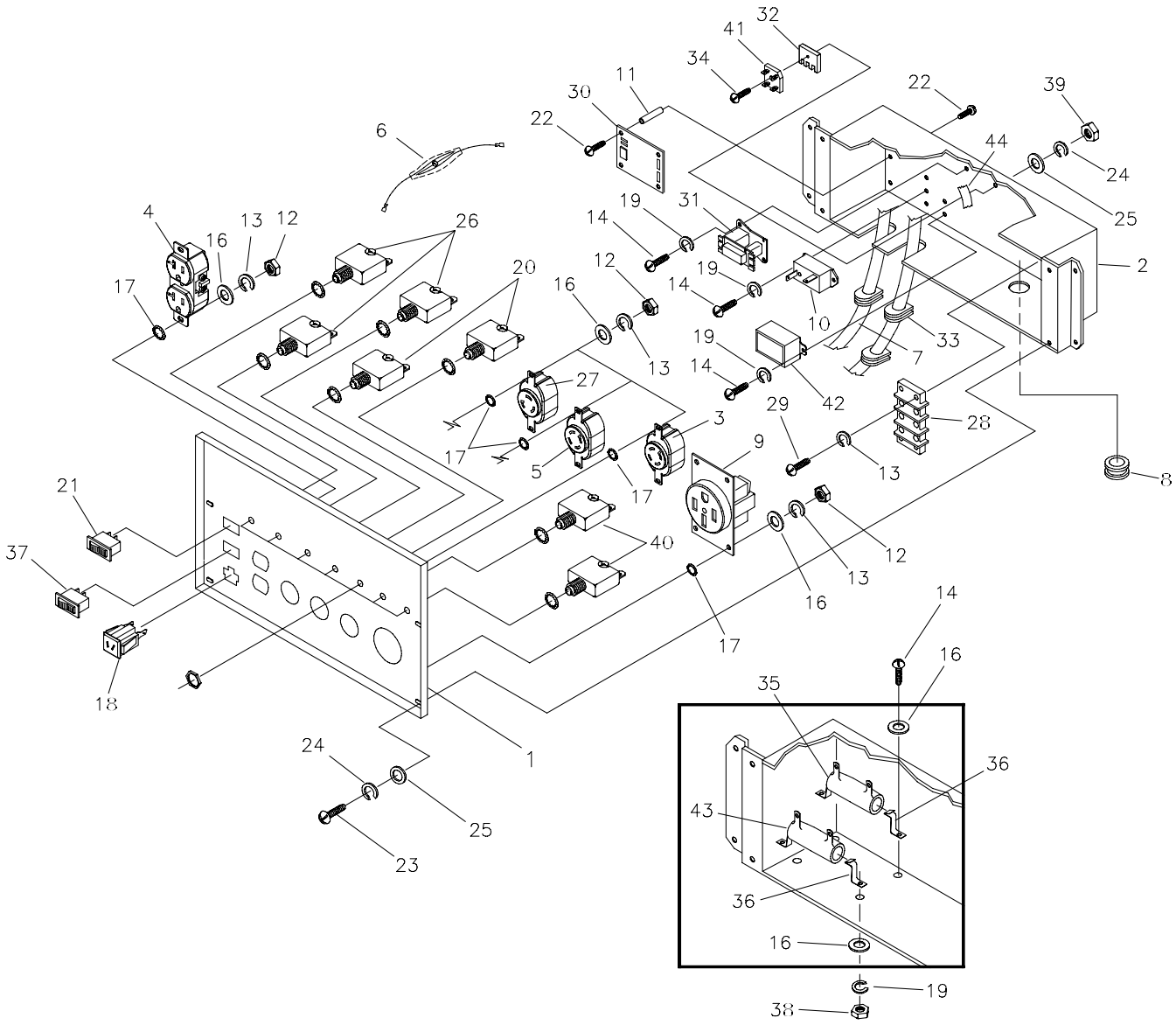
PARTS LIST – MAIN UNIT

Item	Part #	Qty	Description
1	NSP	1	ENGINE
2	JB4509AGS	1	SHIELD, Heat
3	A77304GS	2	SUPPORT, Engine
4	JB5567GS	1	SHIELD, Heat
5	80270GS	1	VALVE, Fuel Shut-Off
6	78299GS	1	BUSHING, Fuel Valve
7	B4325GS	1	CAP, Fuel Tank
8	38353GS	6	MOUNTS, Vibration
9	78831BGS	4	SCREW
10	B1997GS	1	ASSY, Tank, Fuel (Includes Items 5 & 6)
11	A189487GS	1	CRADLE
12	83465GS	4	GROMMET, Fuel Tank Mounting
13	87680GS	1	SCREW, Wing
14	23152GS	6	SCREW
15	22237GS	16	WASHER, Lock
16	22241GS	6	NUT
17	77816GS	2	DECAL, Caution Hot Muffler
18	22131GS	2	WASHER
19	J93074GS	1	SHIELD, Heat
20	186076GS	1	ASSY, Control Panel (see pages 20-21)
21	19553621GS	1	ASSY, Wire, Ground
22	45757GS	1	SCREW
23	75246GS	4	SCREW
24	22145GS	6	WASHER
25	26850GS	3	WASHER
26	20566GS	1	DECAL, 1-800
27	B4986GS	1	DECAL, Ground
28	92982GS	1	DECAL, Danger
29	189409GS	2	DECAL, Unit
31	52857GS	1	NUT, Lock
32	187049GS	1	PLUG, Dome
33	93826GS	1	DECAL, Start Instructions
34	76040GS	1	SCREW
35	B2153GS	19	SCREW
36	73054GS	1	DECAL, Fuel Shut-Off
37	B4268GS	1	ALTERNATOR (see page 23)
38	A5850GS	1	U-CHANNEL
39	96867GS	1	ASSY, Stepper Motor
40	B4489GS	1	BATTERY
41	39253GS	2	SCREW
42	22129GS	2	WASHER, Lock
43	A96925GS	1	BRACKET, Battery Tie Down
44	96924GS	2	J-BOLT
45	189302DGS	1	CABLE, Battery Positive
46	19753621GS	1	CABLE, Battery Negative
47	23897GS	2	WASHER
48	49226GS	1	WASHER, Lock
49	52856GS	2	NUT, Lock
50	49820GS	2	NUT, Nylok
51	42907GS	1	SCREW
52	49813GS	1	NUT
54	27482GS	1	WASHER
55	47411GS	1	SCREW
56	22473GS	1	WASHER
57	55934TGS	1	CLAMP, Hose
58	55934GGS	2	CLAMP, Hose
59	22511GS	6	SCREW
60	96832GS	1	CLAMP, Hose
61	52618GS	3	SCREW
62	B4794GS	1	GROMMET, Generator Cover
63	33141GS	1	SCREW
64	30340GS	1	HOSE
65	48031CGS	2	CLAMP, Hose
66	62265GS	1	GROMMET, Rubber
67	95349GS	1	PLATE, Adjust
68	96717GS	1	SPRING
69	95921GS	1	LINKAGE, Bell Crank to Throttle
70	75477GS	2	SCREW
71	96716GS	3	WASHER, Nylon
72	95348GS	1	BRACKET, Bell Crank
73	96378GS	1	SPACER
74	51713GS	1	WASHER
75	49226GS	1	WASHER, Lock
76	95920GS	1	LINKAGE, Stepper Motor to Bell Crank
77	22287GS	2	SCREW
78	188987GS	1	BRACKET, Starter Switch
79	23762GS	2	WASHER
80	77282GS	1	SWITCH, Starter
81	189302AGS	1	ASSY, Wire
82	22097GS	4	WASHER, Lock
83	22127GS	4	NUT
84	186102GS	1	WIRE, Harness
85	188989GS	1	ASSY, Jack, DC
86	189198GS	1	DECAL, Instruction, ES
87	58359GS	1	LUG
88	189484GS	1	MANUAL, Owners
89	191460GS	1	MANUAL, Engine
90	B4605GS	2	GRIP
91	BB5586GS	2	HANDLE (Includes Item 90)
92	187104GS	4	WASHER, Nylon
93	B4135GS	2	PIN, with Lanyard
94	39287GS	2	SCREW
95	B4177GS	1	CHARGE, Battery Float
96	49820GS	2	NUT, Nylok
97	43438GS	1	PLUG, 120/240V, 30A, 4 Prong
98	93568GS	1	PLUG, 125V, 20A
99	37806GS	1	PLUG, 120V/30A, 3 Prong
100	189505GS	1	FILTER, Oil
101	B4767GS	1	COVER, Storage
102	65787GS	1	CABLE, Battery Charge
103	189482GS	1	ELEMENT, Air Filter
104	189481GS	1	PRE-CLEANER, Air
105	189506GS	2	SPARK PLUG
106	B3518GS	1	CAP, Funnel, Oil Bottle
107	BB3061GS	2	BOTTLE, Oil

Optional Accessories Not Included:

	84883GS	Cord Wrap

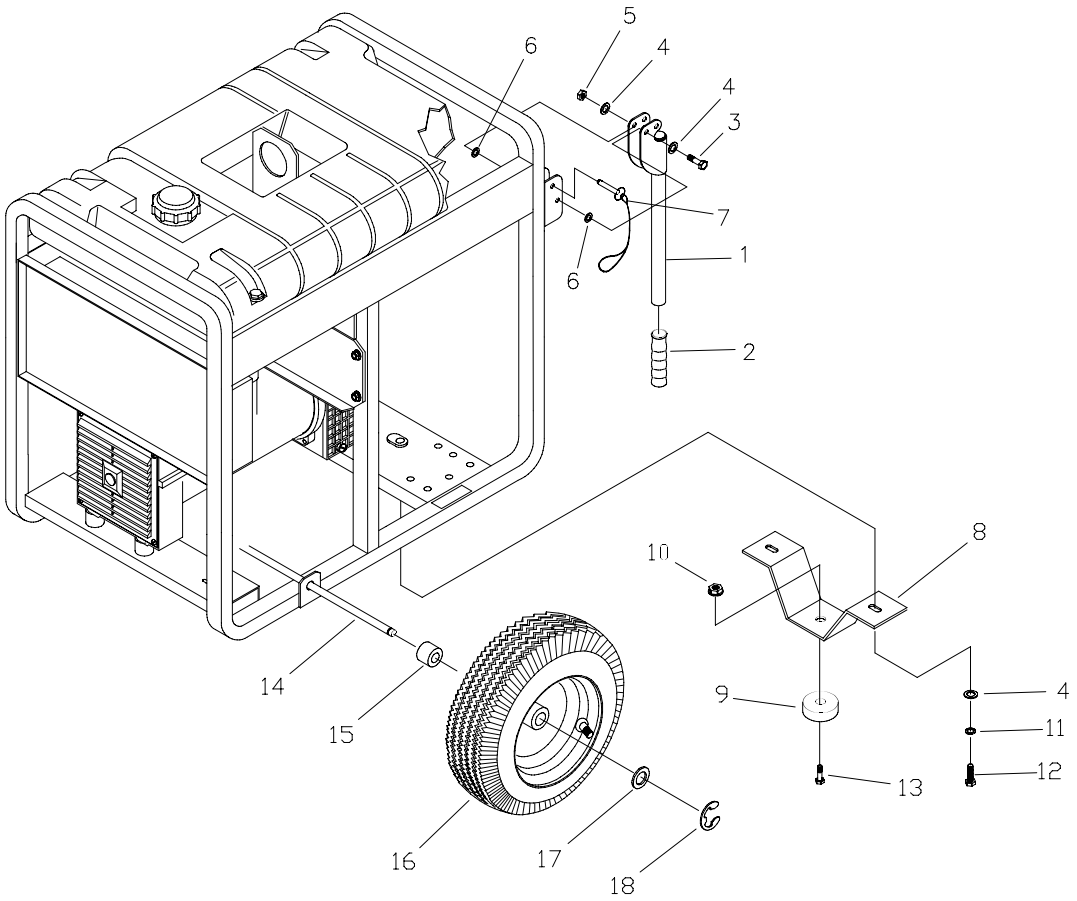
EXPLODED VIEW – CONTROL PANEL



PARTS LIST – CONTROL PANEL

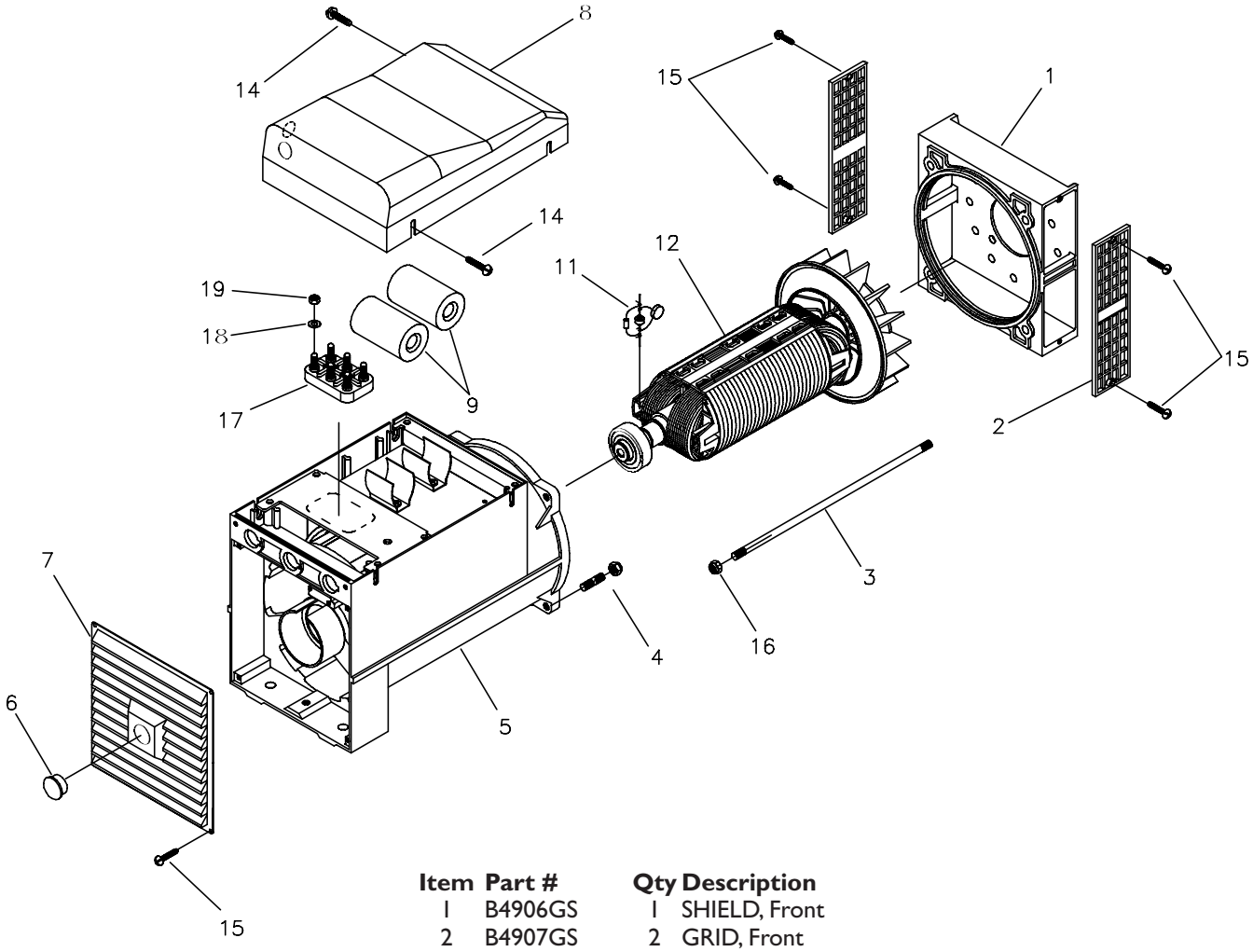
Item	Part #	Qty	Description
1	AB4432GS	1	PANEL, Control
2	B95906GS	1	BOX, Control
3	43437GS	1	OUTLET, 120/240V, 30A Locking
4	68759GS	1	OUTLET, 120V, 20A Duplex
5	68868GS	1	OUTLET, 120V, 30A Locking
6	B5112GS	1	ASSY, Diode
7	186102GS	1	ASSY, Engine Harness
8	90576GS	1	GROMMET, Rubber
9	B4262GS	1	OUTLET, 120/240V 50A
10	87962GS	1	BREAKER, Circuit
11	93929GS	4	STAND OFF
12	51715GS	12	NUT
13	22264GS	16	WASHER, Lock
14	43181GS	10	SCREW
16	38150GS	20	WASHER
17	23365GS	12	WASHER
18	90418GS	1	OUTLET, 12V DC
19	43182GS	10	WASHER, Lock
20	75207AGS	2	BREAKER, Circuit, 30A
21	78653GS	1	SWITCH, Run - Stop
22	93986GS	8	SCREW
23	91526GS	4	SCREW
24	49226GS	5	WASHER, Lock
25	23897GS	5	WASHER
26	75207GS	3	BREAKER, Circuit, 20A
27	74190GS	1	OUTLET, 120V/20A
28	92953GS	1	BLOCK, 50 Amp, 3 - Terminal
29	80077GS	4	SCREW
30	94117GS	1	BOARD, Idle Control
31	84028GS	1	TRANSFORMER, Idle Control
32	65795GS	1	RECTIFIER, Battery Charge
33	84135GS	1	GROMMET, Rubber
34	79224GS	1	SCREW
35	186200GS	1	RESISTOR
36	B4893GS	4	STAND OFF
37	82538GS	1	SWITCH, On - Off
38	51714GS	4	NUT
39	51716GS	1	NUT
40	B4445GS	2	BREAKER, Circuit, 45A
41	B4894GS	1	RECTIFIER, Battery Charge
42	77314GS	1	RELAY, 3A Thermal
43	B4892GS	1	RESISTOR
44	27565GS	1	TAPE, Glass Insulation

EXPLODED VIEW AND PARTS LIST – WHEEL KIT



Item	Part #	Qty	Description
1	BB5586GS	2	HANDLE (Includes Item 2)
2	B4605GS	2	GRIP
3	39287GS	2	SCREW
4	22145GS	6	WASHER
5	49820GS	2	NUT, Nylok
6	187104GS	4	WASHER, Nylon
7	B4135GS	2	PIN, with Lanyard
8	B93394GS	1	LEG, Mounting Support
9	191413GS	1	VIBE MOUNT, with Washer
10	52858GS	1	NUT, Lock
11	22129GS	2	WASHER, Lock
12	39253GS	2	SCREW
13	42909GS	1	SCREW
14	191267BGS	1	AXLE
15	B89635GS	2	SPACER, Wheel
16	89742GS	2	WHEEL
17	22247GS	2	WASHER, Wheel
18	191265GS	2	E-RING

EXPLODED VIEW AND PARTS LIST – ALTERNATOR



Item	Part #	Qty	Description
1	B4906GS	1	SHIELD, Front
2	B4907GS	2	GRID, Front
3	B4908GS	1	BOLT, Shaft Stay
4	B4909GS	4	BOLT, Stay
5	B4910GS	1	ASSY, Housing
6	B4911GS	1	CAP
7	B4912GS	1	COVER, Blind End
8	B4913GS	1	COVER, Top Black
9	B4914GS	2	CAPACITOR
11	B4916GS	1	CAPACITOR, Diode + Varistor + EMC
12	191297GS	1	ASSY, Rotor (Includes Item 11)
14	B4919GS	2	SCREW
15	B4920GS	8	SCREW
16	49820GS	1	NUT, Lock
17	188928GS	1	CONNECTOR, 6-Pin
18	22473GS	6	WASHER
19	49813GS	6	NUT

LIMITED WARRANTY

GENERAC PORTABLE PRODUCTS OWNER WARRANTY POLICY Effective October 1, 2001

LIMITED WARRANTY

"Generac Portable Products, LLC will repair or replace, free of charge, any part, or parts of the equipment that are defective in material or workmanship or both. Transportation charges on parts submitted for repair or replacement under this Warranty must be borne by purchaser. This warranty is effective for the time periods and subject to the conditions provided for in this policy. For warranty service, find the nearest Authorized Service Dealer in our dealer locator map at www.generac-portables.com or call 1-877-544-0982. THERE IS NO OTHER EXPRESS WARRANTY. IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE TIME PERIOD SPECIFIED, OR TO THE EXTENT PERMITTED BY LAW ANY AND ALL IMPLIED WARRANTIES ARE EXCLUDED. LIABILITY FOR CONSEQUENTIAL DAMAGES UNDER ANY AND ALL WARRANTIES ARE EXCLUDED TO THE EXTENT EXCLUSION IS PERMITTED BY LAW. Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state and country to country."

WARRANTY PERIOD*

PRODUCTS**	CONSUMER USE	COMMERCIAL USE
Portable Generator (Side Valve Engine Powered)	1 year	90 days
Portable Generator (Overhead Valve Engine Powered)	2 years (2nd year parts only)	1 year
Electric Powered Pressure Washer	1 year	None
Gasoline Powered Pressure Washer	1 year	90 days

* The warranty period begins on the date of purchase by the first retail consumer or commercial end user, and continues for the period of time stated in the table above. "Consumer use" means personal residential household use by a retail consumer. "Commercial use" means all other uses, including use for commercial, income producing or rental purposes. Once equipment has been used commercially, it shall thereafter be considered to be in commercial use for purposes of this warranty. Used equipment, demonstration equipment and equipment used for prime power in place of a utility are not warranted. Accessory parts such as guns, hoses, wands and nozzles are excluded from the product warranty.

** The gasoline engine and starting batteries are warranted solely by the manufacturers of those products.

WARRANTY REGISTRATION IS NOT NECESSARY TO OBTAIN WARRANTY ON GENERAC PORTABLE PRODUCTS EQUIPMENT. SAVE YOUR PROOF OF PURCHASE RECEIPT. IF YOU DO NOT PROVIDE PROOF OF THE INITIAL PURCHASE DATE AT THE TIME WARRANTY SERVICE IS REQUESTED, THE MANUFACTURING DATE OF THE EQUIPMENT WILL BE USED TO DETERMINE THE WARRANTY PERIOD.

About your equipment warranty:

Generac Portable Products welcomes warranty repair and apologizes to you for being inconvenienced. Any Authorized Service Dealer may perform warranty repairs. Most warranty repairs are handled routinely, but sometimes requests for warranty service may not be appropriate. For example, warranty would not apply if equipment damage occurred because of misuse, lack of routine maintenance, shipping, handling, warehousing or improper installation. Similarly, warranty is void if the serial number of the equipment has been removed or the equipment has been altered or modified.

If a customer differs with the decision of the Service Dealer, an investigation will be made to determine whether the warranty applies. Ask the Service Dealer to submit all supporting facts to its Distributor for review. If the Distributor decides that the claim is justified, the customer will be fully reimbursed for those items that are defective. To avoid misunderstandings that might occur between the customer and the Dealer, listed below are some of the causes of equipment failure that the warranty does not cover:

Normal wear:

Outdoor Power Equipment, like all mechanical devices, needs periodic parts, service and replacement to perform well. This warranty does not cover repair when normal use has exhausted the life of a part or the equipment.

Installation and Maintenance:

This warranty does not apply to equipment or parts that have been subjected to improper or unauthorized installation or alteration, misuse, negligence, accident, overloading, overspeeding, improper maintenance, repair or storage so as, in Generac Portable Products' judgment, to adversely affect its performance and reliability. This warranty also does not cover normal maintenance such as adjustments, fuel system cleaning and obstruction (due to chemical, dirt, carbon or lime, etc.).

Other Exclusions:

Also excluded from this warranty are wear items such as quick couplers, oil gauges, belts, o-rings, filters, pump packing, etc., pumps which have been run without water supplied or damage or malfunctions resulting from accidents, abuse, modifications, alterations, or improper servicing or freezing or chemical deterioration.

Warranty is available only through service dealers authorized by Generac Portable Products. This warranty does not apply to service by any other entity.

You may locate your nearest Authorized Generac Portable Product Service Dealer in our dealer locator map at www.generac-portables.com or call 1-877-544-0982.

Generac Portable Products Are Made Under One Or More Of The Following Patents: (Other Patents Pending)

5902094 5823752 5718255 5890413

Generac Portable Products, LLC
Jefferson, Wisconsin U.S.A.